

Print back-to-back. Cut on the dotted lines to create the Ecosystem-based Challenge Cards.



ECOSYSTEM-BASED CHALLENGE CARD



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An El Nino event impacts squid spawning grounds, resulting in a dramatic drop in harvestable squid the next season.

Return only 2.5x the paperclips remaining from the previous season as stock for next season.

Conservationists are concerned that lights used by fishermen to attract squid may be negatively affecting nesting seabirds. Regulators require fishermen to modify their lights to reduce impact on seabirds.

Subtract \$200/boat from each fishing fleet's season earnings for modifying the attracting lights on your fleet's boats.

A new ocean monitoring report finds lower than expected juvenile squid. Regulatory agency decides to shorten the length of the next squid fishing season by half. Next fishing season lasts only 30 seconds.

Poor economic conditions in Asia result in drop in demand for market squid.

Subtract \$300 from each fishing fleet's next season's earnings for decreased sales and lost profit.

A heavy storm at sea damages boat rigging, making it unable to fish efficiently.

One boat per fleet must stay behind and skip this round of fishing.

Excellent ocean conditions result in a 50% increase in squid reproduction. Squid prefer and have a higher spawning success rate during times when there is a significant upwelling of nutrient-rich, cold, subsurface ocean water to the ocean surface.

Return 15x the remaining paperclips from the previous season as stock for next season.

An influx of Humboldt squid in the Monterey Bay National Marine Sanctuary prey on market squid.

Return only 7x the remaining paperclips from the previous season as stock for next season.

Lines from a bottom trawler drag on the ocean floor, disturbing squid spawning grounds.

Return only 5x the remaining paperclips from the previous season as stock for next season.